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(71) Applicant(s)

Emilie Watson

**37 Reynolds Road, EASTBOURNE,
East Sussex, BN23 7NQ, United Kingdom**

(72) Inventor(s)

Emilie Watson

(74) Agent and/or Address for Service

Emilie Watson

**37 Reynolds Road, EASTBOURNE,
East Sussex, BN23 7NQ, United Kingdom**

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A45C 9/00 // A45F 4/06

(52) UK CL (Edition V)

A4G G5A G5K G5T10

(56) Documents Cited

GB 2349081 A

US 6030121 A

US 5467487 A

CA 002169617 A

US 5622300 A

(58) Field of Search

UK CL (Edition T) A4G

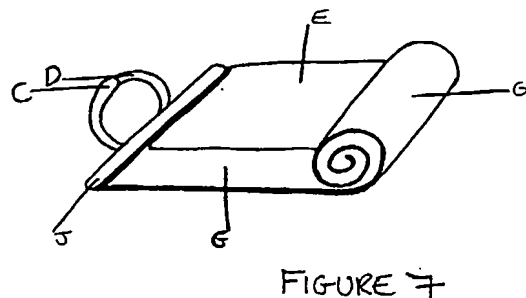
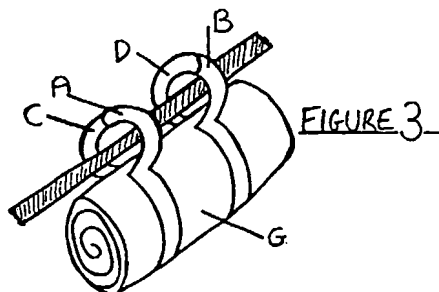
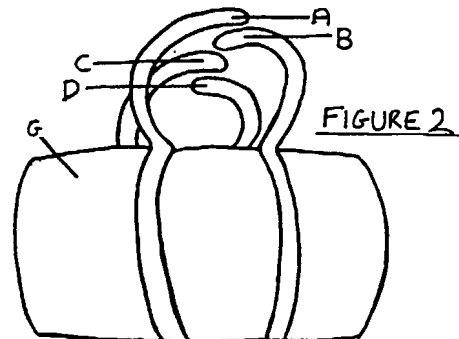
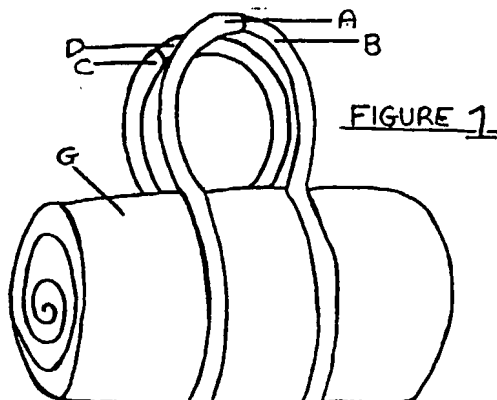
INT CL⁷ A45C, A45F

Other: Online: WPI, EPODOC, JAPIO

(54) Abstract Title

A combined baby changing mat and storage device.

(57) A combined baby changing mat and storage device comprises a mat G with pockets on one side which may be rolled into a tubular configuration G and has handles which are releasably connectable to one another. The pockets may be sized to accommodate at least two nappies, a small packet of baby-wipes, a container of talcum powder, several nappy sacks and a tube of nappy-rash cream. The components of the combined baby changing mat and storage device may be separable. The combined baby changing mat and storage device may be secured in the rolled up configuration and carried like a bag. Each handle may comprise two releasably connectable sections A-D, allowing the combined baby changing mat and storage device to be releasably secured to another object such as a pram, pushchair (figure 4 not shown) or car seat.



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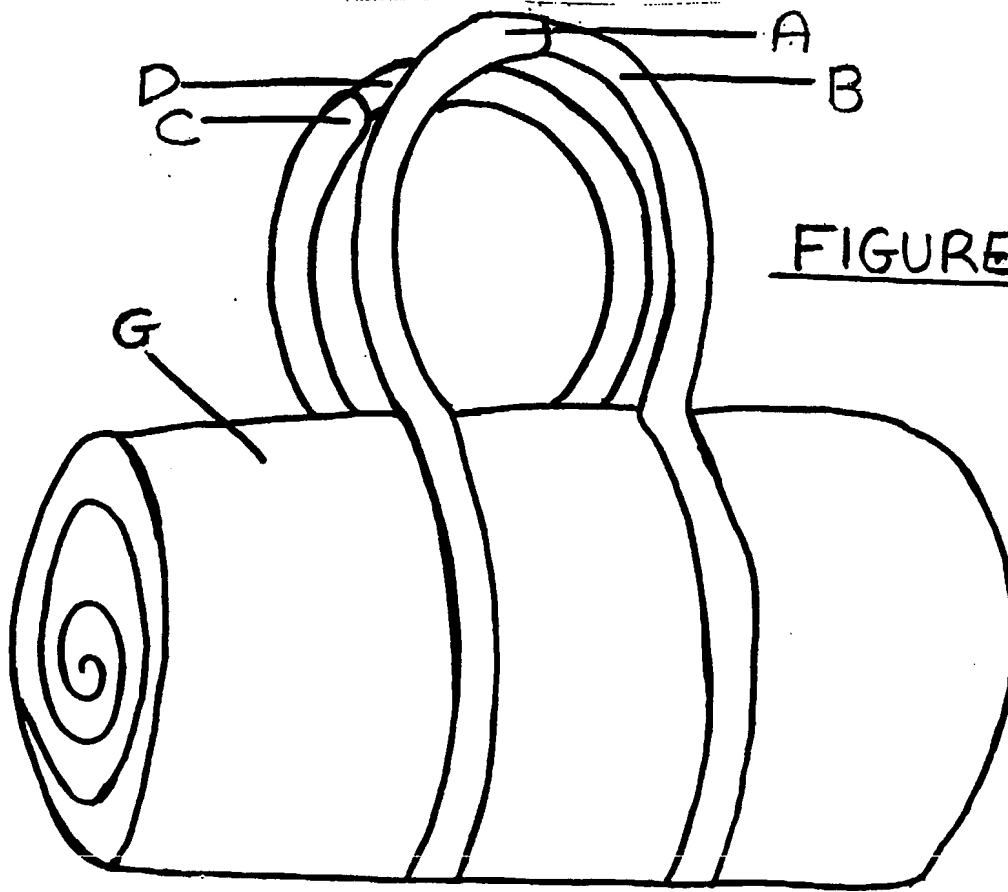


FIGURE 1

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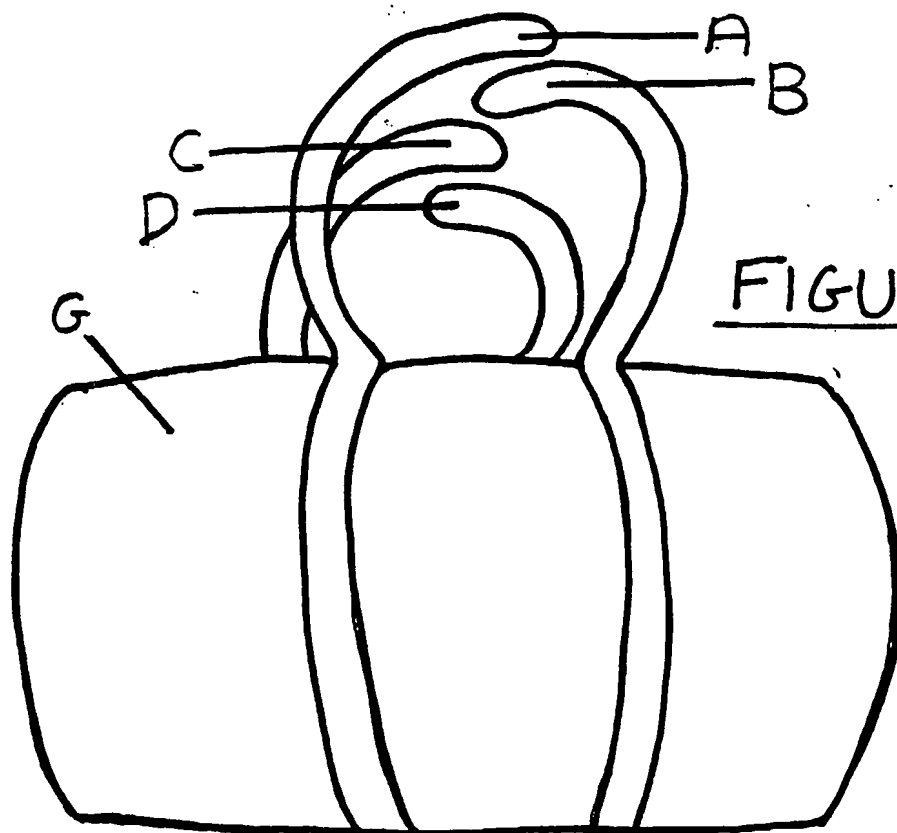


FIGURE 2

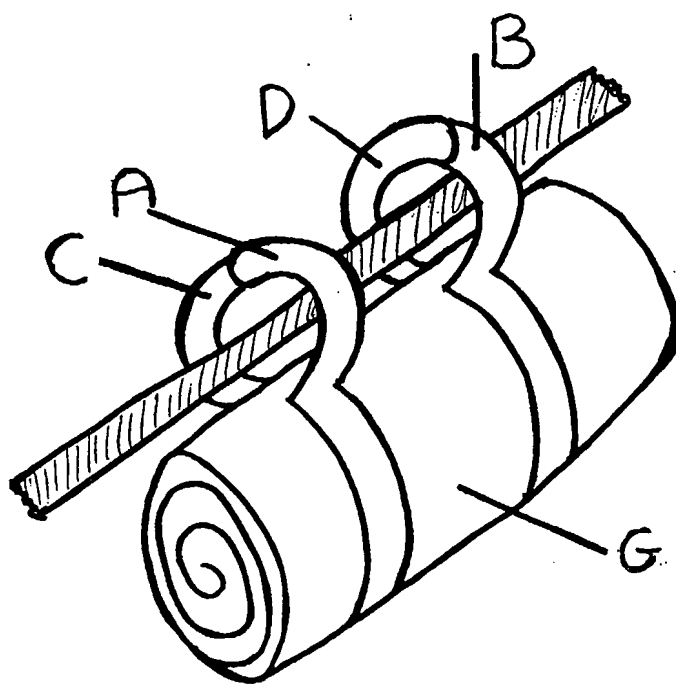
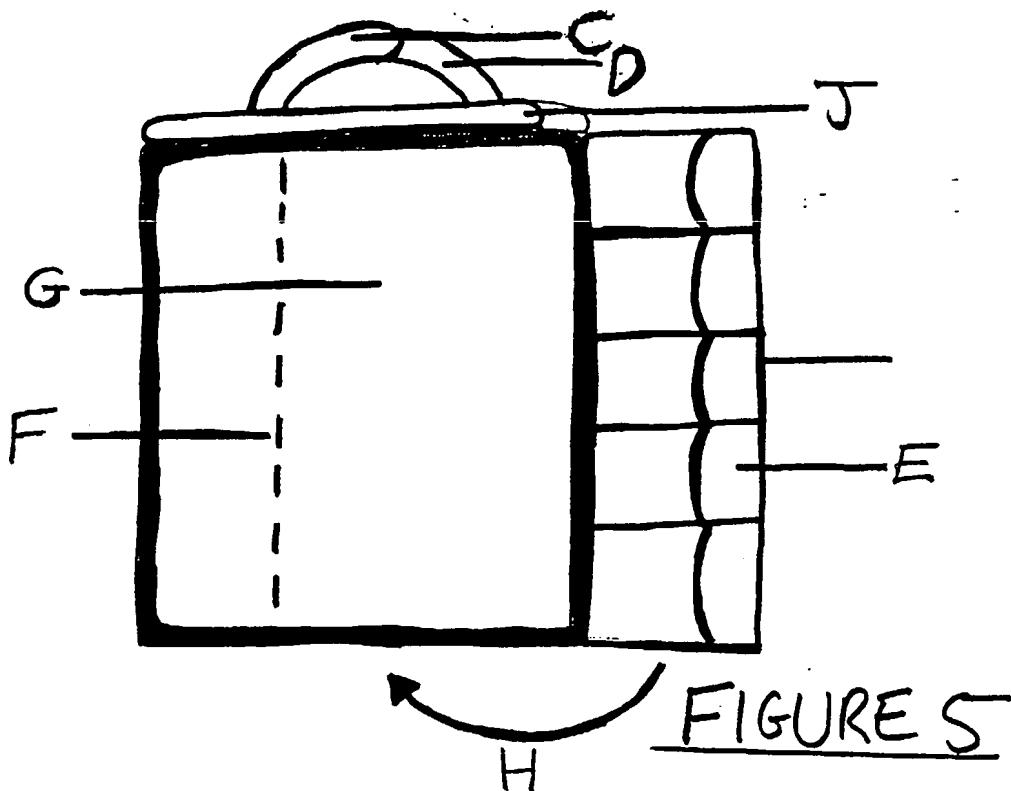
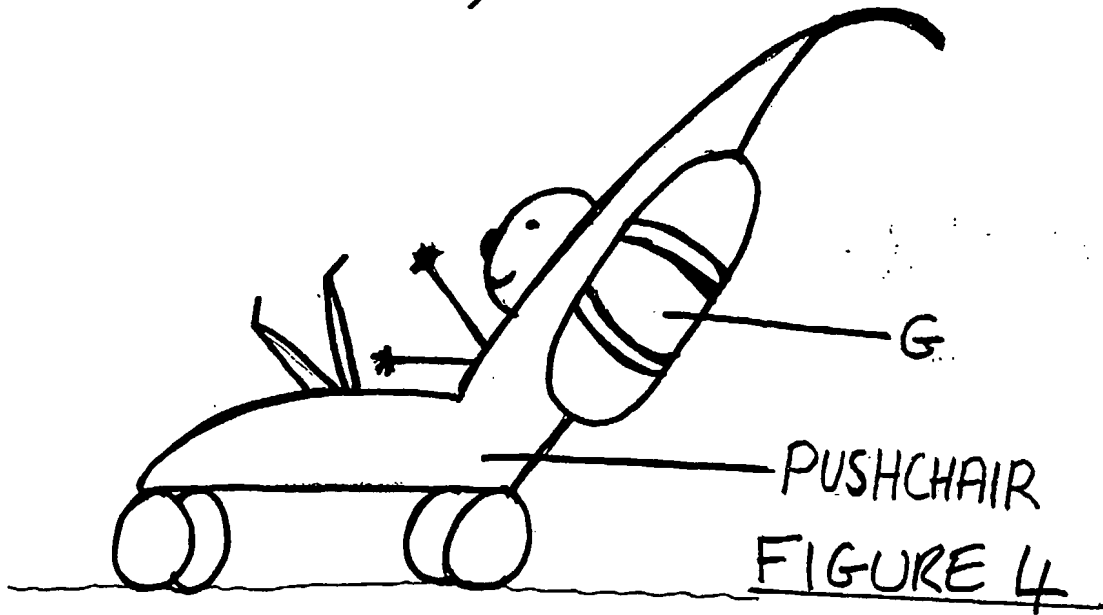


FIGURE 3

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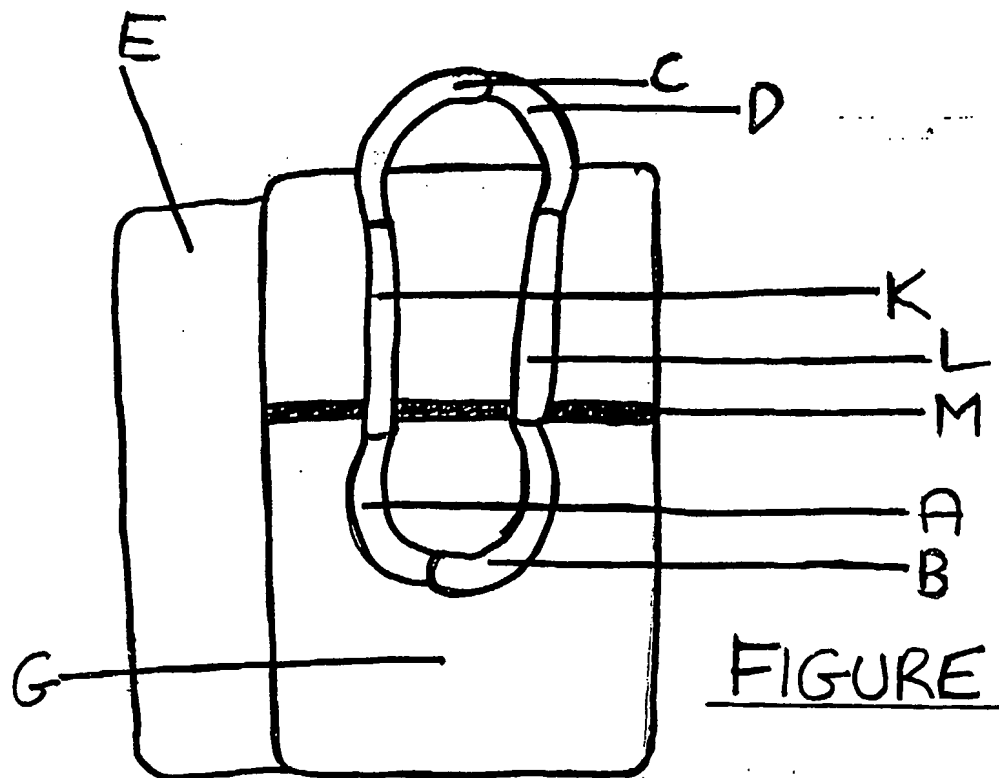


FIGURE 6

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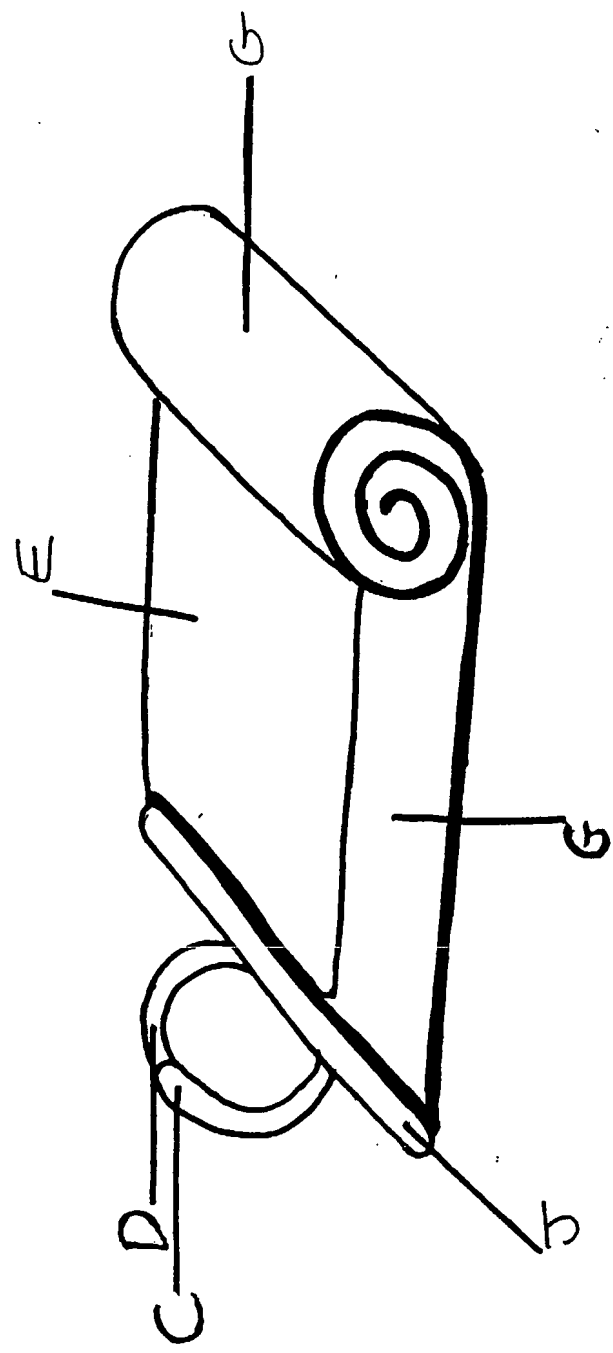


FIGURE 7

Baby Changing Equipment Transporter

This invention relates to a Baby Changing Equipment Transporter.

Equipment needed to change a baby's nappy is usually transported in a large Changing Bag containing at the very least the following essential items: a changing mat, nappies, baby wipes, talcum powder, nappy rash cream, and nappy sacks. They tend to be large, roomy and bulky; big enough to transport a whole day's supplies. Even when you do not need to transport a whole day's supplies, for example, if you are just popping out for a short time, the large changing bag is still used with the majority of its space not needed.

An object of this invention is to transport everything needed to change a baby's nappy in an extremely compact fashion, either in the form of a small bag or in a hands free fashion whilst attached to something, e.g. a pushchair.

This invention comprises of a baby changing mat with storage pockets attached to one side for storing all essential items (as described above) needed to change a baby's nappy. The pockets fold onto the mat and together with the mat are rolled up into a sausage shape and secured into this position. Integral handles attached to the underside of the changing mat allow the roll to be carried as a small bag. Each of the handles are able to divide into two sections. These sections can then be looped around a selected item, for example a pram, pushchair, or car seat and re-attached to the corresponding handle section on the opposite side, enabling the roll to be securely transported in a hands-free fashion.

A preferred embodiment of the invention will now be described in detail by way of example with reference to the following drawings in which:-

- **Figure 1** illustrates the Transporter in its rolled position with the handles in the 'bag' position.
- **Figure 2** illustrates how each handle is separated into 2 sections.
- **Figure 3** illustrates in close perspective, the Transporter in its rolled position with the handles in their looped position attaching the roll to something.

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- **Figure 4** illustrates how the Transporter by means of the handles in the looped position may be attached to the selected item, in this example, a pushchair (not to scale).
- **Figure 5** illustrates the changing mat with attached partitioned storage pockets in the collapsed position.
- **Figure 6** illustrates the reverse of the changing mat and partitioned storage pockets in the collapsed position, illustrating the approximate position of the integral handles and roll position fastener.
- **Figure 7** illustrates the changing mat with attached partitioned storage pockets in a semi-rolled position, showing the pockets folded onto the changing mat.

Referring to the drawings, the Baby Changing Equipment Transporter is a one-piece unit; Figure 1 shows the changing mat G in its rolled 'bag' position, Figure 5 in its collapsed position with the changing mat G and storage pockets E on one side of the unit visible. The unit maintains its rolled position by being secured for example by poppers or a Velcro[®] strip at approximately point J on Figure 5 and approximately point M on Figure 6. The unit may be carried as a bag in the position illustrated in Figure 1 by means of integral handles, sections K and L of which on Figure 6 are permanently secured, for example by stitching, to the underside of the changing mat G.

In order to convert the unit from its collapsed state as shown in Figure 5 to its rolled 'bag' state as shown in Figure 1, edge E of the storage pockets in Figure 5 must first be folded across the changing mat to meet with point F in the direction of arrow H; that is to say far enough across to position the storage pockets and their contents in the middle of the changing mat G. The unit must then be rolled up as shown in figure 7 and secured into the Figure 1 rolled 'bag' position for example by poppers or a Velcro[®] strip. To convert the unit from its rolled 'bag' position in Figure 1 to its collapsed position in Figure 5 the above steps are carried out in reverse order.

The necessary baby changing equipment is slotted into the storage pockets E in Figure 5 prior to the rolling illustrated in Figure 7. The pockets must be suitable for containing at the very least all of the following: 2 nappies, a small packet of baby wipes, a small tub of Talcum Powder, several nappy

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sacks, and a small tube of nappy rash cream. It may also be agreeable for the pockets to have the ability to be sealed, for example by poppers or Velcro.

To mount the unit onto something, for example a pushchair as shown in Figure 4, the unit must be in its rolled position with all handle sections A, B, C, and D separated as illustrated in Figure 2. The handles are able to become separated in this way for example by poppers or Velcro^{FTM}. These sections can then be looped around something, in this example, a pushchair, and the sections re-attached to the opposite handle section across the unit as shown in by Figure 3; A to C and B to D. The handle sections must be separated again to remove the unit from whatever it is attached to.

CLAIMS

1. A baby changing equipment transporter which when opened out includes a changing mat with pockets attached to one side, which can then be rolled into a sausage shape and secured in that position, incorporating integral handles which have the ability to become separated from each other, then re-join.
2. A baby changing equipment transporter as claimed in Claim 1 where the pockets attached to the changing mat are able to contain at least 2 nappies, a small packet of baby wipes, a small tub of Talcum Powder, several nappy sacks, and a small tube of nappy rash cream.
3. A baby changing equipment transporter as claimed in any preceding claim which is a one-piece unit incorporating a changing mat, storage pockets and handles, which have the ability to separate.
4. A baby changing equipment transporter as claimed in any preceding claim which rolls up with the equipment contained within and can be secured in a roll position, and by means of the integral handles carried as a bag.
5. A baby changing equipment transporter as claimed in any preceding claim including 2 integral handles which each have the ability to divide into 2 sections and become detached from each other, and can then be re-joined by means of, for example poppers or Velcro[®], or by any other method which allows this to occur, thereby allowing the transporter to be attached to something and transported in a hands-free fashion.
6. A baby changing equipment transporter substantially as herein described and illustrated in the accompanying drawings.



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Application No: GB 0118987.7
Claims searched: 1,2&4-6

Examiner: Mike Leaning
Date of search: 5 December 2002

Patents Act 1977 : Search Report under Section 17

Documents considered to be relevant:

Category	Relevant to claims	Identity of document and passage or figure of particular relevance	
Y	1,2&4	GB 2349081 A	(PLANT LTD.) The whole document is relevant, but see especially page 1 lines 5-8 & 16-26, page 2 lines 12-17 and also figures 3&4.
A	1&4	US 6030121 A	(STRZYNSKI et al) See the figures and column 5 lines 1-13 & 46-18. A mat with a plurality of pockets thereupon which rolls up and is carried by two handles which may be fastened together.
A	1&4	US 5622300	(ROBINSON) See the figures and note column 2 lines 48-67 and column 4 lines 8-10.
Y	1,2&4	US 5467487 A	(SICARD) See the figures, column 2 lines 19-24 & 45&46 and the claims. A waterproof mat with a storage pouch which rolls up to form a bag, the handles of which may be fastened together.
A	1	CA 2169619 A	(DOMINIQUE) Please see WPI Abstract Accession No. 97/109465-11. A towel which rolls up to be carried like a bag. Note the straps in figures 3&4.

It appears obvious that a storage device according to GB 2349081 could be provided with the releasably connectable handles of US 5467487.

Categories:

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.

Field of Search:

Search of GB, EP, WO & US patent documents classified in the following areas of the UKCT:

A4G

Worldwide search of patent documents classified in the following areas of the IPC⁷:

A45C; A45F



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Application No: GB 0118987.7
Claims searched: 1,2&4-6

Examiner: Mike Leaning
Date of search: 5 December 2002

The following online and other databases have been used in the preparation of this search report:

Online: WPI, EPODOC, JAPIO